

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 091770,169c
Source: TFW16
Date Processed by STIC: 1-13-05

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/770,169C

DATE: 01/13/2005

TIME: 11:44:10

Input Set : A:\39754-0531A saved January 4 2005.txt
 Output Set: N:\CRF4\01132005\I770169C.raw

4 <110> APPLICANT: Saxon, Andrew
 5 Zhang, Ke
 7 <120> TITLE OF INVENTION: IMMUNOGLOBULIN CLASS SWITCH
 8 RECOMBINATION
 10 <130> FILE REFERENCE: 39754-0531 A
 12 <140> CURRENT APPLICATION NUMBER: 09/770,169C
 13 <141> CURRENT FILING DATE: 2001-01-26
 15 <160> NUMBER OF SEQ ID NOS: 114
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 27
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: synthetic oligonucleotide
 W--> 26 <400> SEQUENCE: 1 27
 27 ttgtccaggc cggcagcatc accggag
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 31
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: synthetic oligonucleotide
 37 <400> SEQUENCE: 2 31
 38 actcctcagt gggatggct ctacactccc t
 40 <210> SEQ ID NO: 3
 41 <211> LENGTH: 22
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: synthetic oligonucleotide
 48 <400> SEQUENCE: 3
 49 ctagaagctt tattgcggta gt 22
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 24
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial Sequence
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: synthetic oligonucleotide
 59 <400> SEQUENCE: 4
 60 cgacaagctt agtttctatt ggtc 24
 62 <210> SEQ ID NO: 5
 63 <211> LENGTH: 28

(PS.6)

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64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: synthetic oligonucleotide
70 <400> SEQUENCE: 5
71 actcagatgg ctaaactgag cctaagct 28
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 26
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: synthetic oligonucleotide
81 <400> SEQUENCE: 6
82 atgtttcagg ttcaggggga ggtgtg 26
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 24
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: synthetic oligonucleotide
92 <400> SEQUENCE: 7
93 gaggcctagac taacaggctg aact 24
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 30
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: synthetic oligonucleotide
103 <400> SEQUENCE: 8
104 actccctcagt gggatggact cacactccct 30
106 <210> SEQ ID NO: 9
107 <211> LENGTH: 28
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: synthetic oligonucleotide
114 <400> SEQUENCE: 9
115 aagctttatt gcggtagttt atcacagt 28
117 <210> SEQ ID NO: 10
118 <211> LENGTH: 27
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: synthetic oligonucleotide
125 <400> SEQUENCE: 10
126 ccaagatctc caggcaggca gaagtat 27
128 <210> SEQ ID NO: 11
129 <211> LENGTH: 29
130 <212> TYPE: DNA

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131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: synthetic oligonucleotide
136 <400> SEQUENCE: 11
137 cccaaactagt cttagcctga tacaacctg 29
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 27
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: synthetic oligonucleotide
147 <400> SEQUENCE: 12
148 ttgtccagcg catcagcata actggag 27
150 <210> SEQ ID NO: 13
151 <211> LENGTH: 25
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: synthetic oligonucleotide
158 <400> SEQUENCE: 13
159 agctgtccag gaaccgcaca gggag 25
161 <210> SEQ ID NO: 14
162 <211> LENGTH: 21
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: synthetic oligonucleotide
169 <400> SEQUENCE: 14
170 gttgatagtc cctgggtgt a 21
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 25
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: synthetic oligonucleotide
180 <400> SEQUENCE: 15
181 tgtcccttag aggacaggtg gccaa 25
183 <210> SEQ ID NO: 16
184 <211> LENGTH: 24
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: synthetic oligonucleotide
191 <400> SEQUENCE: 16
192 tctagacaag gggacctgt catt 24
194 <210> SEQ ID NO: 17
195 <211> LENGTH: 29
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence

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Input Set : A:\39754-0531A saved January 4 2005.txt
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199 <220> FEATURE:
 200 <223> OTHER INFORMATION: synthetic oligonucleotide
 202 <400> SEQUENCE: 17
 203 ttatcccagc agaactcagt ttaaatcac 29
 205 <210> SEQ ID NO: 18
 206 <211> LENGTH: 22
 207 <212> TYPE: DNA
 208 <213> ORGANISM: Artificial Sequence
 210 <220> FEATURE:
 211 <223> OTHER INFORMATION: synthetic oligonucleotide
 213 <400> SEQUENCE: 18
 214 gcccagttca gttaacctca ac 22
 216 <210> SEQ ID NO: 19
 217 <211> LENGTH: 40
 218 <212> TYPE: DNA
 219 <213> ORGANISM: Homo sapiens
 221 <400> SEQUENCE: 19
 222 tgggctgagc tgggctggc tgggctggc tgagcgggtc 40
 224 <210> SEQ ID NO: 20
 225 <211> LENGTH: 40
 226 <212> TYPE: DNA
 227 <213> ORGANISM: Homo sapiens
 229 <400> SEQUENCE: 20
 230 tgggctgagc tgggctggt gaaggcagga cgagcagggg 40
 232 <210> SEQ ID NO: 21
 233 <211> LENGTH: 39
 234 <212> TYPE: DNA
 235 <213> ORGANISM: Homo sapiens
 237 <400> SEQUENCE: 21
 238 cagccacagg tgagcaggcc gtgagcagac gaggaggga 39
 240 <210> SEQ ID NO: 22
 241 <211> LENGTH: 40
 242 <212> TYPE: DNA
 243 <213> ORGANISM: Homo sapiens
 245 <400> SEQUENCE: 22
 246 ctaacaggt gaactggct gagctgagct gaactggct 40
 248 <210> SEQ ID NO: 23
 249 <211> LENGTH: 40
 250 <212> TYPE: DNA
 251 <213> ORGANISM: Homo sapiens
 253 <400> SEQUENCE: 23
 254 ctaacaggt gaactggct ggcaggagct gggtagttgc 40
 256 <210> SEQ ID NO: 24
 257 <211> LENGTH: 40
 258 <212> TYPE: DNA
 259 <213> ORGANISM: Homo sapiens
 261 <400> SEQUENCE: 24
 262 tcactcagct cctagattt ggcaggagct gggtagttgc 40
 264 <210> SEQ ID NO: 25

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/770,169C

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Input Set : A:\39754-0531A saved January 4 2005.txt
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265 <211> LENGTH: 40
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 25
270 ttgaactggg ttgagctgag ctgagctgag ctgggctaag 40
272 <210> SEQ ID NO: 26
273 <211> LENGTH: 40
274 <212> TYPE: DNA
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 26
278 ttgaactggg ttgagctgag cagagcagag gccactgagg 40
280 <210> SEQ ID NO: 27
281 <211> LENGTH: 40
282 <212> TYPE: DNA
283 <213> ORGANISM: Homo sapiens
285 <400> SEQUENCE: 27
286 cgttcacgga gctgacccag cagagcagag gccactgagg 40
288 <210> SEQ ID NO: 28
289 <211> LENGTH: 39
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 28
294 tgggctgggc tgagcggctc agcgggctga gctgagctg 39
296 <210> SEQ ID NO: 29
297 <211> LENGTH: 40
298 <212> TYPE: DNA
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 29
302 tgggctgggc tgagcgggtc agcctcctgg tgccggaaag 40
304 <210> SEQ ID NO: 30
305 <211> LENGTH: 40
306 <212> TYPE: DNA
307 <213> ORGANISM: Homo sapiens
309 <400> SEQUENCE: 30
310 ggctggtaa agtgcagtgc agcctcctgg tgccaggaag 40
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 40
314 <212> TYPE: DNA
315 <213> ORGANISM: Homo sapiens
317 <400> SEQUENCE: 31
318 agggagctga cccagcagag cagaggccac tgaggagctg 40
320 <210> SEQ ID NO: 32
321 <211> LENGTH: 40
322 <212> TYPE: DNA
323 <213> ORGANISM: Homo sapiens
325 <400> SEQUENCE: 32
326 agggagctga cccagcagag ctgagcgggg ccgagcgggg 40
328 <210> SEQ ID NO: 33
329 <211> LENGTH: 39

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/13/2005
PATENT APPLICATION: US/09/770,169C TIME: 11:44:11

Input Set : A:\39754-0531A saved January 4 2005.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:111; N Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/770,169C

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Input Set : A:\39754-0531A saved January 4 2005.txt
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L:26 M:283 W: Missing Blank Line separator, <400> field identifier
L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0